IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NUMBER:

10/597,808

FILING DATE:

08/08/2006

FIRST NAMED INVENTOR:

Quanlai Song

ART UNIT:

1623

EXAMINER NAME:

To Be Determined

CONFIRMATION NUMBER:

6589

ATTORNEY DOCKET NUMBER:

DVCM0002USA

TITLE:

SUBSTITUTED PIXYL PROTECTING

GROUPS FOR OLIGONUCLEOTIDE

SYNTHESIS

MAIL STOP AMENDMENT COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT Under 37 C.F.R. §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 C.F. R. §§ 1.56 and 1.97-98, enclosed herewith are PTO Forms PTO/SB/08A and PTO/SB/08B listing references for consideration by the Examiner.

This application was filed after June 30, 2003. Therefore, pursuant to the waiver of the requirements under 37 C.F.R. § 1.98(a)(2)(i), copies of each U.S. Patent and each U.S. Patent Application Publication are not required to be submitted. Copies of any foreign patent documents and non-patent literature cited herein are enclosed.

This Information Disclosure Statement is being filed before the mailing date of a first office action on the merits. Applicant submits that no fee is required for the consideration of this Information Disclosure Statement. However, if a fee is due, the

Serial No.: 10/597,808 Docket No.: DVCM0002USA

Commissioner is hereby authorized to charge Deposit Account No 500252 referencing case number DVCM0002USA.

Dated: 5/31/2007

Respectfully submitted,

Carmen K. Robinson

Registration No.: **59,489** Isis Pharmaceuticals, Inc. 1896 Rutherford Road Carlsbad, CA 92008

Approved for use through 09/30/2007. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449/PTO Complete if Known Application Number 10/597,808 INFORMATION DISCLOSURE Filing Date 08/08/2006 STATEMENT BY APPLICANT First Named Inventor Quanlai Song Art Unit 1623 (Use as many sheets as necessary) Examiner Name To Be Determined Sheet DVCM0002USA Attorney Docket Number

| | U.S. PATENT DOCUMENTS | | | | | | |
|------------|-----------------------|---|--------------------------------|--|---|--|--|
| Examiner | Cite No.1 | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant | | |
| Initials * | | Number - Kind Code ² (<i>if known</i>) | | | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | |
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| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>) | Date MM-DD-YYYY | | | |
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| Examiner Signature | Date Considered | |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, located copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.usplo.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing preparing

process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450. Alexandria, VA 22313-1450.

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| Substitute for form 1449/PTO | Complete if Known | | |
|-----------------------------------|------------------------|------------------|--|
| INFORMATION DISCLOSURE | Application Number | 10/597,808 | |
| INFORMATION DISCLOSURE | Filing Date | 08/08/2006 | |
| STATEMENT BY APPLICANT | First Named Inventor | Quanlai Song | |
| | Art Unit | 1623 | |
| (Use as many sheets as necessary) | Examiner Name | To Be Determined | |
| Sheet 2 of 2 | Attorney Docket Number | DVCM0002USA | |

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| Examiner Initials * | Cite No.1 | ite of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | | |
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| Examiner Signature /Layla Bland/ | Date 01/28/2009 Considered | |
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.